

SILVERCREST®

Karaoke Set

with 2 high-quality metal microphones for singing duets

 **User manual and**
 **service information**

TM-220



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Safety instructions

General

Before using this device for the first time, always read the following instructions and pay attention to all warnings, even if you are familiar with handling electronic devices. Keep this manual safe for future reference. If you sell the device or pass it on, always include this manual.

Operating environment

Place the device on a stable, even surface and do not place any heavy objects on the device. The device is not designed for use in environments with a high temperature or humidity (e.g. bathrooms), and must be kept free from dust. Operating temperatures and operating air humidity: 15 °C to 35 °C, max. 85 % rel. air humidity

Always make sure that

- air can always circulate freely (do not place the device on shelves, on a thick carpet or a bed, and always leave at least 10 cm clearance on all sides);
- no direct heat sources (e.g. heating) can affect the device;
- no direct sunlight or bright artificial light reaches the device;
- contact with sprayed and dripping water and corrosive liquids is prevented and the device is never operated near water; in particular it should never be immersed (do not place any objects filled with liquids such as vases or drinks on or near the device);
- no fire sources (e.g. burning candles) are placed on or near the device;
- no foreign objects penetrate the device;
- the device is not subjected to any extreme temperature fluctuations, as this may result in moisture caused by condensation and therefore a short circuit;
- the device is never be subjected to excessive shocks and vibrations.

Power supply

The power switch of this device does not fully disconnect the device from the mains. The device consumes electricity in Standby mode. To completely disconnect the device from the mains power supply, the mains adapter must be removed from the mains socket. For this reason the device should be positioned so that direct and unobstructed access to the mains socket is ensured and the mains adapter can be immediately pulled out in an emergency. To prevent a fire hazard if the mains adapter is not in use for a prolonged period (e.g. during holidays), it should always be disconnected from the mains socket. Before stormy weather when there is the risk of lightning, disconnect the device from the mains power supply. Only use the supplied mains adapter type Taiytech TYT71200010EU (in the UK Taiytech TYT71200010UK) to prevent overheating, deformation of the housing, fire, electric shock, explosions and other hazards. Never connect this mains adapter to other devices.

Cables

Always hold cables by the plug and never pull on the cable itself. Never touch the power supply cable with wet hands as this may cause a short circuit or electric shock. Never place the device, furniture or other heavy objects on the cable and take care that the cable is not kinked, especially near the plug and connection sockets. Never make knots in the cable and do not tie it together with other cables. All cables should be positioned so that nobody can trip over them and they cannot cause an obstruction. A damaged power supply cable can cause fire or an electric shock. Inspect the power supply cable from time to time. Never use adapter plugs or extension cables that do not comply with the current safety regulations and do not make any modifications to the power supply cables and the mains adapter yourself!

Care and repair

Repair work is necessary when the device has been damaged in any way, for example if the mains adapter, power supply cable or housing is damaged, when liquid or objects have penetrated the device, when the product has been exposed to rain or moisture, the product does not work correctly or the product has been dropped. If you notice any smoke, unusual noises or strange odours, switch off the device immediately and remove the mains adapter from the mains socket. In these cases the device should not be used until it has been inspected by authorised service personnel. Only have the device repaired by qualified personnel. Never open the housing of the device, the mains adapter or the accessories. There is the risk of a fatal electric shock when the housing is open. Only use a clean, dry cloth for cleaning and never use any corrosive liquids. Never open the SilverCrest Karaoke Kit TM-220! Modifications and repairs may only be performed by authorised technicians or service personnel! Never try to open the housing of the device as this would void your warranty.

Disposal of old devices

- If the product is labelled with a crossed-out wheellie bin, it is subject to the European Directive 2002/96/EC.
- All electrical and electronic devices must be disposed of separately from household waste at designated disposal points.
- By disposing of the old devices correctly you avoid harming the environment and your personal health.
- For further information about proper disposal contact your local authorities, waste disposal office or the shop where you bought the device.



Children

Electrical appliances do not belong in the hands of children! Do not allow children to use electrical devices when unsupervised. Children may not recognise potential risks. Small parts can constitute a choking hazard. Always keep plastic packaging away from children. Risk of suffocation!

Intended use

This is a consumer electronics device. It is a karaoke kit designed for connection to a DVD player and television.

It is only designed for private use and not for industrial or commercial purposes. Furthermore, the device may not be used outdoors or in tropical climates. Only connection cables and external devices may be used that comply with the safety standards and the electromagnetic compatibility and shielding quality of this device. When connecting peripheral devices always ensure that the cables are not too short and that they do not exert strain on the connectors!

Notes on CE conformity

The karaoke kit meets the basic requirements and other relevant regulations of the EMC Directive 2004/108/EC, the Low Voltage Directive 2006/95/EC and the ErP Directive 2009/125/EC. The EC conformity declaration can be found at the end of this manual. Never make any unauthorised modifications to the device or the supplied accessories. The manufacturer does not accept any liability for damage resulting from unauthorised modifications. You will void your warranty if you make any unauthorised modifications. Only use the accessories approved by the manufacturer. If you are not using the device within the Federal Republic of Germany, you must observe the regulations and laws in the country of use.

Supplied items

Karaoke kit SilverCrest TM-220

Mains adapter type Taiytech TYT71200010EU
(in UK Taiytech TYT71200010UK)

2 SilverCrest TM-220 microphones

2 microphone cables

2 audio/video cables

1 SCART adapter (Input)

1 SCART adapter (Output)

1 karaoke DVD

1 user manual

Connecting the SilverCrest TM-220

First familiarise yourself with the different sockets and controls.

The sockets on the back panel of your SilverCrest TM-220 from left to right are:



- Group of three RCA sockets (Input) (yellow for video, red for the right audio channel and white for the left audio channel)
- Group of three RCA sockets (Output) (yellow for video, red for the right audio channel and white for the left audio channel)
- Power supply socket

The sockets and controls located on the front panel of the SilverCrest TM-220 from left to right are:



- Power LED and the On/Off button below
- Music volume control (MUSIC VOL)
- Echo control (ECHO)
- Microphone 1 gain control (MIC1 VOL)
- Microphone 2 gain control (MIC2 VOL)
- Input socket for microphone 1 (MIC1)
- Input socket for microphone 2 (MIC2)

A DVD player is required as signal source to use your SilverCrest karaoke kit TM-220. There are two playback options: either use a TV set for video and audio playback, or use a TV set for video and a stereo system for audio playback. The second option naturally provides a higher sound quality. The following section describes both connection options.

Option 1: Only connecting a TV set

Connect one of the supplied audio/video cables to the group of three RCA sockets (Output) on your SilverCrest TM-220. The different cables and sockets are colour-coded for easier connection. If your TV set features a corresponding group of three sockets for the audio and video signals, you can connect the cable that you previously connected to the Output sockets of your SilverCrest TM-220 here. If your TV set only features a SCART socket, use the supplied SCART adapter (INPUT). The adapter also features the same colour code.

Option 2: Connecting a TV Set for video and stereo system for audio

Carefully separate the yellow wire of the audio/video cable so you can plug it to the TV set separately. If your TV set has a RCA socket for video input, you can connect the yellow RCA connector to this socket. Otherwise proceed as for Option 1 and use the SCART adapter (INPUT). In this case the red and white sockets for audio input are not used on the TV set. Instead of connecting the corresponding cables to the adapter, connect them to your stereo system. Use a suitable input (other than Phono).

Connecting a DVD player

Connect one of the supplied audio/video cables to the group of three RCA sockets (Input). The different cables and sockets are colour-coded for easier connection. If your DVD player also features a corresponding group of three sockets for audio and video signals, you can connect the cable directly to these. If your DVD player only features a SCART socket, use the supplied SCART adapter (OUTPUT). The adapter also features the same colour code.

Connecting the microphones

Now you can connect one or both microphones. Insert the XLR plug of the microphone cable into the microphone. The correct end of the cable can be easily identified by the shape that matches that of the microphone. The other end has a jack plug which is inserted into one of the microphone sockets of the SilverCrest TM-220. It is irrelevant which of the two sockets you use. You only have to remember that each input socket is assigned to one of the two microphone gain controls.

Connecting to the mains power supply

First connect the mains adapter to your SilverCrest TM-220 and then to an easily accessible mains socket. The device is then ready for operation.

Operation

You can start singing after making a few settings. Switch the Silver-Crest TM-220 on with the On/Off button. The orange Power LED lights up.

First set the music volume control to the neutral centre position. The correct position can be felt by a slight locking resistance.

If the music is too loud or too quiet in comparison to your voice later on, you can re-adjust it by turning this control. Turning the control from the centre position to the right amplifies the signal which may lead to distortion when using a sensitive amplifier.

First turn the Echo control to the left as far as possible. This will disable any echo. When required, you can turn this knob to the right to adjust the echo length for your voice.

Use the microphone gain controls to adjust the microphone level to your voice. Start by turning the control as far to the left as possible.

Switch on your TV set or amplifier, select the required master volume, and then set the microphone to "on".

Now start singing into the microphone and turn the corresponding microphone gain control to the right until your voice is loud and clear but without any distortion.

During the sound check you should already sing loudly, as you will have to accompany the music later on. If the total volume of music plus voice is too high or too low, adjust it on your TV set or stereo system.

The settings on the mixer are only used to adjust the correct music/voice volume balance.

Now all you need is the background music. Insert the supplied karaoke DVD into your DVD player and select the desired song with the arrow buttons. For each song you can toggle between the karaoke version (without voice) and vocal version by pressing the arrow buttons on your DVD player and highlighting the corresponding field on the menu. Music playback starts and the song lyrics appear on the TV screen. A coloured progress bar shows you the point where the song is currently being played so you do not miss your cue. If the song includes an instrumental part, this is also indicated by a corresponding text and coloured progress bar.

Before you have to start singing, a beat count "1234" will appear to help you start on time.

During playback of the current song you can toggle between the karaoke version (without voice) and vocal version by pressing the Audio button on your DVD player. This button should be explained in the user manual of your DVD player. Normally this button is used to select the audio language on a DVD film.

The vocal versions of the songs have been recorded with professional singers and are very useful for practice. One note on the On/Off button:

When the device is switched off, the input and output sockets on the rear panel are internally connected. The SilverCrest TM-220 then acts as a neutral device and you can use your DVD player normally without having to change any cable connections.

Troubleshooting

- The background music is played but no voice can be heard through the loudspeakers.
Switch the device on with the On/Off button. Check the microphone gain setting for the corresponding microphone. Check if the switch on the microphone is set to "on".
- The music is distorted.
Turn the music volume control to the left.
- The music sounds good but the voice is distorted.
Turn the corresponding microphone gain control to the left.
- The loudspeakers emit a high whistling noise.
Feedback has occurred between the loudspeakers and microphone. There are different ways to avoid this. Turn yourself and the microphone in a different direction. Move yourself and the microphone away from the speakers. Turn the microphone gain control(s) to the left.
- The music or voice is too quiet.
The balance between the music and vocal volume can be adjusted with the music volume control on the SilverCrest TM-220. If you turn the control to the left or right, only the music volume is increased or lowered, while the vocal volume remains unchanged.
- No picture appears on your TV set and there is no sound.
Please check whether you have connected the correct SCART adapter to the TV set and DVD player. Use the SCART adapter (INPUT) for your TV set and the SCART adapter (OUTPUT) for your DVD player.

Technical specifications

Power supply:	Taiytech TYT71200010EU (in UK Taiytech TYT71200010UK)
Primary:	100 - 240 V AC, 50/60 Hz, 0.2 A Power consumption during operation: 1.5 W max Power consumption in standby: 0.15 W
Secondary:	12 V  100 mA
Dimensions (approx.) in cm:	17.5 x 11.5 x 4.5
Approx. weight:	240 g
Sockets:	2 x Audio Line In 2 x Audio Line Out 1 x Video Composite In 1 x Video Composite Out 1 x DC In 2 x Microphone
Microphones :	Dynamic microphones with 3-pin XLR connector
Operating temperature:	15 - 35 °C

**36 month warranty
from date of purchase**



UK

**Important
warranty information**

SILVERCREST®

Dear Customer,

Thank you for purchasing a Silvercrest product.

We ask you to read carefully through the enclosed documentation or online help before putting your Silvercrest product into service. If you have a problem, which can not be solved in this way, please contact our hotline.

In case that trouble solving over the telephone is not possible, our hotline will arrange the service depending on the fault of the device. This will contain the elimination of defects by production and material at no charge.

Up-to-date information and answers to the most frequently asked questions are available on the internet from: www.silvercrest.cc

This guarantee is valid in United Kingdom.

Your statutory guarantees from the seller are in addition to this warranty and are not limited by it.

36
month warranty

Hotline number

0207 - 36 50 744

(Please have your serial number at hand!)



Manufacturer:

TARGA GmbH
Postfach 22 44
D-59482 Soest
www.silvercrest.cc

**36 month warranty
from date of purchase**



Ireland

***Important
warranty information***

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This guarantee is valid in Ireland.

Your statutory guarantees from the seller are in addition to this warranty and are not limited by it.

36

month warranty

Hotline number

01 - 242 15 83

(Please have your serial number at hand!)



Manufacturer:

TARGA GmbH
Postfach 22 44
D-59482 Soest
www.silvercrest.cc



EC-Declaration of Conformity

Address: Targa GmbH
Lange Wende 41
59494 Soest, Germany

Product: Karaoke Mixer
Model: Silvercrest TM-220

The product complies with the requirements of the following European directives:

2004/108/EC Electromagnetic Compatibility

2006/95/EC Low Voltage

2009/125/EC Energy Relating Products

Compliance was proved by the application of the following standards:

EMC: EN 55013: 2001 + A1: 2003 + A2: 2006
EN 55020: 2007
EN 61000-3-2:2006
EN 61000-3-3:1995 + A1: 2001 + A2: 2005

Safety: EN 60065 : 2002 + A1: 2006 + A11: 2008

ErP: Regulation 278/2009

Year of CE marking: 2010

Soest, 2nd of July 2010

Matthias Klauke, Managing Director



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